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(56) Documents Cited

US 5543967 A US 4875708 A US 3809352 A

(58) Field of Search

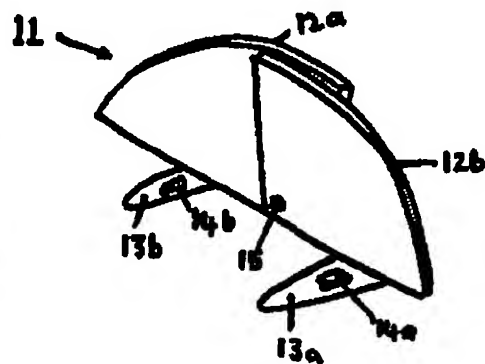
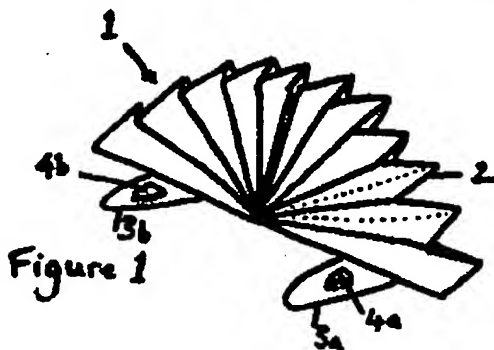
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Online databases: WPI

(54) Book screen or shade

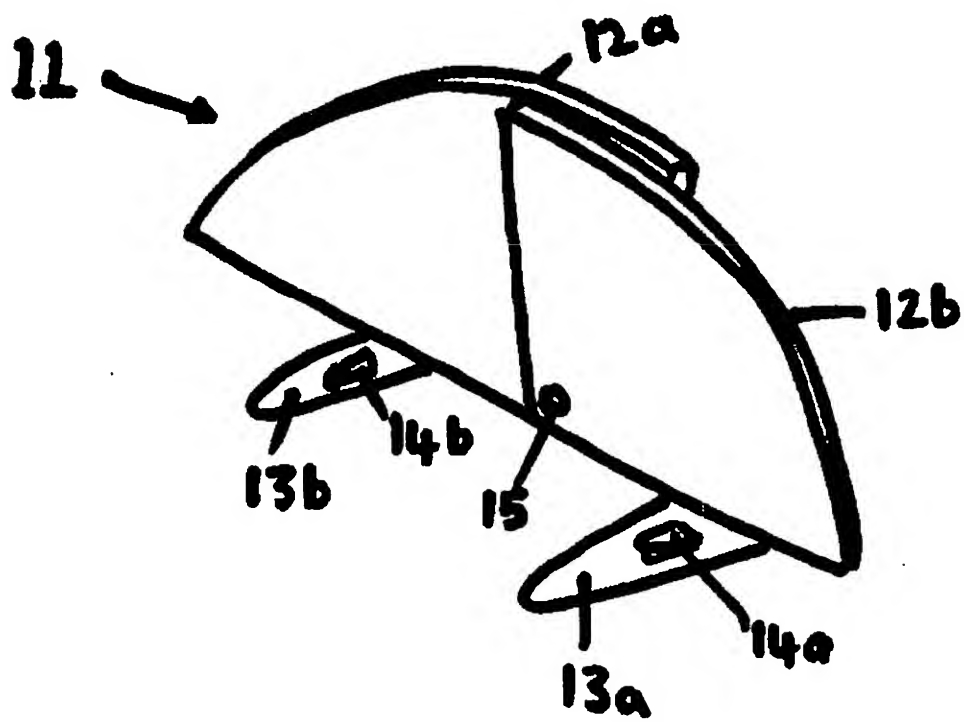
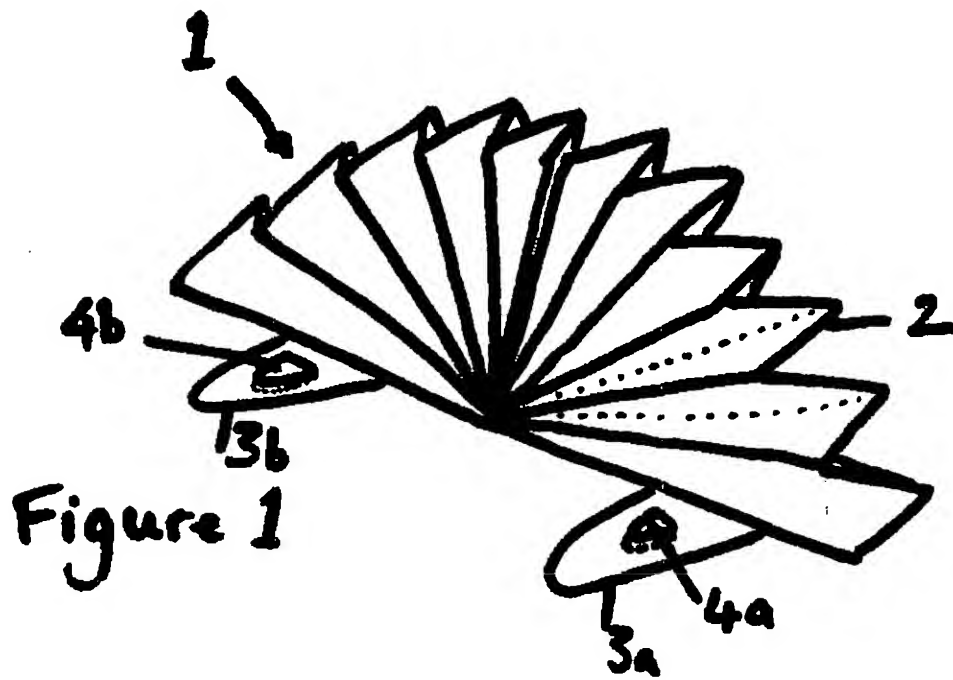
(57) A sun screen or shade for a book comprises a screen 2 and arms 3a,3b extending from the screen for engagement with the book pages to support the screen adjacent the top edge of the book. Each arm extends at a normal angle to the screen and incorporates a raisable flap 4a,4b to receive and sandwich pages of the book. The screen may be in the form of a concertina fan (Fig 1) or in the form of two planar segments of a circle 12a,12b (Fig 2) which overlap and pivot about a common point 15 so that the screen varies in size as the book is opened and closed. The screen may act as a bookmark.



At least one drawing originally filed was informal and the print reproduced here is taken from a later filed formal copy.
The claims were filed later than the filing date within the period prescribed by Rule 25(1) of the Patents Rules 1995

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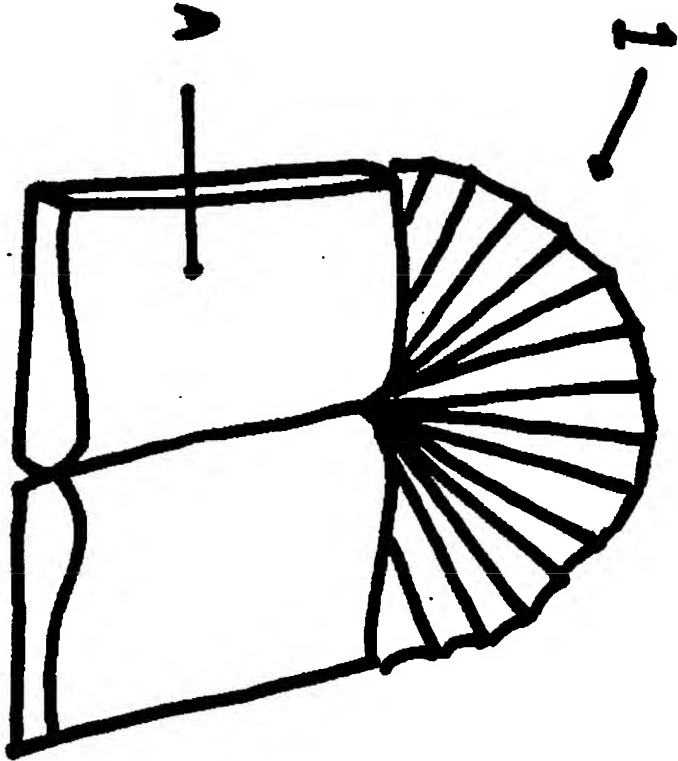


Figure 3

The present invention relates to a sun screen for books.

A number of people read books outside, particularly when the weather is fine such as on holiday. If the sun is shining or even in bright daylight, the light reflection from the pages of the book can make reading a strain on the eyes.

The invention seeks to provide a sun screen to avoid this difficulty.

According to the present invention there is provided a sun screen for a book comprising:

- a) a screen , and**
- b) at least one arm extending from the screen for engagement with the book pages to support the screen adjacent the top edge of the book.**

Preferably there are two arms extending from the screen to engage the book pages adjacent the front and rear covers.

Preferably each arm, in use, extends at an angle substantially normal to the screen.

Preferably the screen varies in size as the book is opened and closed. In one embodiment, the screen is in the form of a concertina fan which opens and closes as the book is opened and

closed. In another embodiment, the screen is in the form of two planar segments of a circle which overlap and pivot about a common pivot point.

The screen may be formed of paper, plastics or other material.

The invention will now be described with reference to the accompanying drawings in which:

Figure 1 shows a perspective view of one embodiment of the invention,

Figure 2 shows a perspective view of a second embodiment of the invention, and

Figure 3 shows the embodiment of Figure 1 mounted on a book.

Referring to Figure 1 there is shown a sun screen 1 for a book having a screen 2 and a pair of arms 3a,3b extending from the screen 2 for engagement with book pages adjacent the front and rear covers. The arms 3a,3b thus, in use, support the screen adjacent the top edge of a book (as shown in Figure 3). The arms 3a,3b extend from the screen 2 at an angle substantially normal to the screen.

The screen 2 is formed from a sheet of material such as paper or card into a concertina fan which opens and closes, thus varying in size, as the book is opened and closed whilst it is being read. The screen serves to prevent light from reflecting of the pages of the book thus making reading possible in bright or direct sunlight.

The arms 3a,3b each incorporate a raisable flap 4a,4b. Pages of a book may be received and sandwiched in the gap between the flaps 4a,4b and the arms 3a,3b. These perform two tasks. Firstly they help secure the arms 3a,3b and hence the sun screen 1 to the book. Secondly they prevent the arms being fully inserted into the book pages thus spacing the screen 2 from the top edge of the book. This prevents the top edges of the book pages fouling against the screen 2.

When the screen 2 is closed the two arms may be inserted in the book pages so the sun screen can be carried with the book (the flaps 4a,4b help to secure the sun screen to the book), and the arms, or the entire screen, may serve as a book marker.

Referring now to Figure 2, there is shown an alternative embodiment to that shown in Figure

1. In Figure 2 a sun screen 11 has a screen formed from two planar segments of a circle 12a,12b which overlap. The segments pivot about a common pivot point formed by rivet 15. Arms 13a,13b with flaps 14a,14b form the same function as arms 3a,3b and flaps 4a,4b in Figure 1. When the screen of Figure 2 is mounted on a book, the two segments rotate relative to each other and thus alter the size of the screen as a book is opened and closed whilst it is being read.

If desired, the arms 13a, 13b may be designed to fold flat against the segments 12a, 12b so that the entire screen can be folded flat when not in use. In this folded form, it may serve as a book marker.

Referring to Figure 3, there is shown a view of the screen 1 of Figure 1 mounted on a book "A".

The sun screens of the invention may be made of any suitable material such as plastics or paper and may be any desired colour/s. Information such as advertising messages may be printed thereon.

Instead of two arms, the sun screen may have one, or more than two, arms.

Further modifications will be apparent to those skilled in the art without departing from the scope of the present invention.

CLAIMS

1. A sun screen for a book including a screen and one or more arms extending from the screen for engagement with the book pages to support the screen adjacent the top edge of the book.
2. A sun screen as claimed in Claim 1 where the extending arm or arms extend at an angle substantially normal to the screen and engage the book pages adjacent the front and rear covers.
3. A sun screen as claimed in Claim 1 or Claim 2 where the screen varies in size as the book is opened and closed.
4. A sun screen as claimed in any preceding claim which is made from paper, plastics or other material or combination of materials.
5. A sun screen for a book substantially as herein described and illustrated in the accompanying drawings.



Application No: GB 9618518.6
Claims searched: 1-5

Examiner: Graham Russell
Date of search: 9 January 1998

Patents Act 1977
Search Report under Section 17

Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK Cl (Ed.P): B6A (ADC, ADX)

Int Cl (Ed.6): B42D 3/12, 3/18

Other: Online: WPI

Documents considered to be relevant:

Category	Identity of document and relevant passage	Relevant to claims
X	US 5543967 (ROBSON) see Figs 4&5	1,2,4
X	US 4875708 (SREMBA) see Fig 2	1,2,4
A	US 3809352 (MATHIAS) see Figs 1&2	

X	Document indicating lack of novelty or inventive step	A	Document indicating technological background and/or state of the art.
Y	Document indicating lack of inventive step if combined with one or more other documents of same category.	P	Document published on or after the declared priority date but before the filing date of this invention.
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